

Rev. 04/01

Docket No. AEOMICA-12

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Shannon et al.

Application No.: 09/922,181 Confirmation No.

Filed: : August 2, 2001

For: : FOUR HUMAN ZINC-FINGER-CONTAINING
PROTEINS: MDZ3, MDZ4, MDZ7, AND MDZ12

Group Art Unit : 1632

Hon. Commissioner
for Patents
Washington, D.C. 20231

TRANSMITTAL LETTER FOR
INFORMATION DISCLOSURE STATEMENT

Sir:

Transmitted herewith is an Information Disclosure
Statement in the above-identified application. This
Statement is submitted:

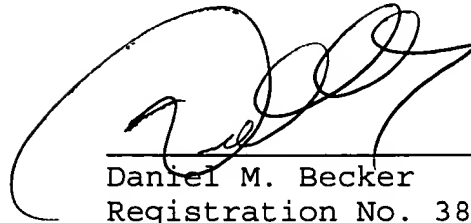
- ☐ [] within three months of the application filing date;
- ☒ [X] more than three months from the application filing date but before the mailing date of the first Office Action on the merits.

In accordance with 37 C.F.R. § 1.97, submission of this Statement requires no fee. However, if for any reason a fee is due, the Director is hereby authorized to charge payment of any fees required in connection with this Information Disclosure Statement to Deposit Account No. 06-1075. A duplicate copy of this letter is transmitted herewith.

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Respectfully submitted,

20 DEC 2001



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PATENTS
AEOMICA-12

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Applicants : Shannon et al.
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INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98,
applicants hereby make the following documents of record in
the above identified application: *

U.S. Patents

6,235,502	05/22/01	Weissman et al.
6,221,603	04/24/01	Mahtani
6,210,884	04/03/01	Lizardi
6,204,250	03/20/01	Bot et al.
6,204,061	03/20/01	Capecchi et al.
6,187,305	02/13/01	Treco et al.
6,183,960	02/06/01	Lizardi
6,180,406	01/30/01	Stemmer
6,180,377	01/30/01	Morgan et al.
6,180,370	01/30/01	Queen et al.
6,165,793	12/26/00	Stemmer

* Applicants reserve the right to challenge the status of any
of the cited documents as prior art.

6,162,963	12/19/00	Kucherlapati et al.
6,150,584	11/21/00	Kucherlapati et al.
6,124,128	09/26/00	Tsien et al.
6,117,679	09/12/00	Stemmer
6,114,598	09/05/00	Kucherlapati et al.
6,110,898	08/29/00	Malone et al.
6,096,865	08/01/00	Michaels
6,096,548	08/01/00	Stemmer
6,090,919	07/18/00	Cormack et al.
6,075,181	07/13/00	Kucherlapati et al.
6,066,476	05/23/00	Tsien et al.
6,063,630	05/16/00	Treco et al.
6,054,321	04/25/00	Tsien et al.
6,054,297	04/25/00	Carter et al.
6,051,831	04/18/00	Koster
6,048,524	04/11/00	Selden et al.
6,046,800	04/04/00	Ohtomo et al.
6,042,549	03/28/00	Amano et al.
6,027,881	02/22/00	Pavlakis et al.
6,025,201	02/15/00	Zelmanovic et al.
6,017,897	01/25/00	Li et al.
6,016,191	01/18/00	Ramos et al.
6,013,256	01/11/00	Light et al.
6,004,752	12/21/99	Loewy et al.
6,004,744	12/21/99	Goelet et al.
6,001,233	12/14/99	Levy
5,990,689	11/23/99	Poncon
5,985,847	11/16/99	Carson et al.
5,984,175	11/16/99	Popp
5,981,214	11/09/99	Skoultchi
5,968,750	10/19/99	Zolotukhin et al.
5,958,891	09/28/99	Hsu et al.
5,945,339	08/31/99	Holloman et al.
5,939,598	08/17/99	Kucherlapati et al.
5,930,143	07/27/99	Savazzi
5,925,517	07/20/99	Tyagi et al.
5,889,351	03/30/99	Okumura et al.
5,888,983	03/30/99	Kmiec et al.
5,880,104	03/09/99	Li et al.
5,877,397	03/02/99	Lonberg et al.
5,874,304	02/23/99	Zolotukhin et al.
5,874,299	02/23/99	Lonberg et al.
5,871,984	02/16/99	Kmiec
5,869,619	02/09/99	Studnicka
5,854,033	12/29/98	Lizardi
5,846,726	12/08/98	Nadeau et al.
5,843,913	12/01/98	Li et al.
5,830,877	11/03/98	Carson et al.

5,824,269	10/20/98	Kosaka et al.
5,821,337	10/13/98	Carter et al.
5,821,123	10/13/98	Studnicka
5,814,318	09/29/98	Lonberg et al.
5,807,715	09/15/98	Morrison et al.
5,804,566	09/08/98	Carson et al.
5,804,387	09/08/98	Cormack et al.
5,795,972	08/18/98	Kmiec
5,789,650	08/04/98	Lonberg et al.
5,783,674	07/21/98	Geysen
5,780,296	07/14/98	Holloman et al.
5,777,079	07/07/98	Tsien et al.
5,770,429	07/23/98	Lonberg et al.
5,770,196	06/23/98	Studnicka
5,766,886	06/16/98	Studnicka et al.
5,760,012	06/02/98	Kmiec
5,756,325	05/26/98	Kmiec
5,744,305	04/28/98	Fodor et al.
5,741,668	04/21/98	Ward et al.
5,731,181	03/24/98	Kmiec
5,723,591	03/03/98	Livak et al.
5,719,262	02/17/98	Buchardt et al.
5,714,331	02/03/98	Buchardt et al.
5,714,320	02/03/98	Kool
5,693,761	12/02/97	Queen et al.
5,679,647	10/21/97	Carson et al.
5,677,439	10/14/97	Weis et al.
5,677,437	10/14/97	Teng et al.
5,663,312	09/02/97	Chaturvedula
5,661,016	08/26/97	Lonberg et al.
5,648,245	07/15/97	Fire et al.
5,633,425	05/27/97	Lonberg et al.
5,633,360	05/27/97	Bischofberger et al.
5,631,153	05/20/97	Capecchi et al.
5,627,059	05/06/97	Capecchi et al.
5,627,052	05/06/97	Schrader
5,625,126	04/29/97	Lonberg et al.
5,625,050	04/29/97	Beaton et al.
5,625,048	04/29/97	Tsien et al.
5,623,070	04/22/97	Cook et al.
5,618,704	04/08/97	Sanghvi et al.
5,614,396	03/25/97	Bradley et al.
5,610,289	03/11/97	Cook et al.
5,608,046	03/04/97	Cook et al.
5,602,240	02/11/97	De Mesmaeker et al.
5,596,086	01/21/97	Matteucci et al.
5,595,915	01/21/97	Geysen
5,591,669	01/07/97	Krimpenfort et al.

5,589,466	12/31/96	Feigner et al.
5,587,361	12/24/96	Cook et al.
5,571,799	11/05/96	Tkachuk et al.
5,570,694	11/05/96	Rometsch
5,569,825	10/29/96	Lonberg et al.
5,563,253	10/08/96	Agrawal et al.
5,561,225	10/01/96	Maddry et al.
5,550,111	08/27/96	Suhadolnik et al.
5,545,807	08/13/96	Surani et al.
5,545,806	08/13/96	Lonberg et al.
5,541,307	07/30/96	Cook et al.
5,541,306	07/30/96	Agrawal et al.
5,539,084	07/23/96	Geysen
5,539,082	07/23/96	Nielsen et al.
5,538,848	07/23/96	Livak et al.
5,536,821	07/16/96	Agrawal et al.
5,527,695	06/18/96	Hodges et al.
5,519,126	05/21/96	Hecht
5,489,677	02/06/96	Sanghvi et al.
5,487,992	01/30/96	Capecchi et al.
5,476,925	12/19/95	Letsinger et al.
5,470,967	11/28/95	Huie et al.
5,466,677	11/14/95	Baxter et al.
5,464,764	11/07/95	Capecchi et al.
5,455,233	10/03/95	Spielvogel et al.
5,453,496	09/26/95	Caruthers et al.
5,445,934	08/29/95	Fodor et al.
5,434,257	07/18/95	Matteucci et al.
5,405,939	04/11/95	Suhadolnik et al.
5,405,938	04/11/95	Summerton et al.
5,399,676	03/21/95	Froehler
5,321,131	06/14/94	Agrawal et al.
5,286,717	02/15/94	Cohen et al.
5,279,044	01/18/94	Bremer
5,278,302	01/11/94	Caruthers et al.
5,276,019	01/04/94	Cohen et al.
5,272,071	12/21/93	Chappel
5,264,564	11/23/93	Matteucci
5,264,562	11/23/93	Matteucci
5,264,423	11/23/93	Cohen et al.
5,235,033	08/10/93	Summerton et al.
5,216,141	06/01/93	Benner
5,214,134	05/25/93	Weis et al.
5,188,897	02/23/93	Suhadolnik et al.
5,186,042	02/16/93	Miyazaki
5,185,444	02/09/93	Summerton et al.
5,177,196	01/05/93	Meyer, Jr. et al.
5,166,315	11/24/92	Summerton et al.

5,034,506	07/23/91	Summerton et al.
5,023,243	06/11/91	Tullis
4,708,871	11/24/87	Geysen
4,476,301	10/09/84	Imbach et al.
4,469,863	09/04/84	Ts'o et al.
4,246,774	01/27/81	Flesselles et al.
3,980,986	09/14/76	Baird et al.
3,687,808	08/29/72	Merigan, Jr. et al.

Foreign Patent Documents

WO 00/15779	03/23/00	PCT
WO 99/58720	11/18/99	PCT
WO 98/59362	12/30/98	PCT
WO 98/59361	12/30/98	PCT
WO 98/59360	12/30/98	PCT
WO 98/12559	03/26/98	PCT
WO 97/43316	11/20/97	PCT
WO 97/34631	09/25/97	PCT
WO 97/19193	05/29/97	PCT
WO 96/32478	10/17/96	PCT
WO 96/18412	06/26/96	PCT

Other Patent Documents

Ailor et al., "Overexpression of a Cystolic Chaperone in Insect Cells," *Biotechnology & Bioengineering*, Vol. 58 No. 2 & 3: pp. 196-203 (April 20/May 5, 1998).

Alers et al., "Universal Linkage System: An Improved Method for Labeling Archival DNA for Comparative Genomic Hybridization," *Genes, Chromosomes, and Cancer* vol. 25: pp. 301-305 (1999).

Allen et al., "Finding Prospective Partners in the Library: the Two-Hybrid System and Phage Display Find a Match," *Trends in Biochemical Science* vol. 20: pp. 511-516 (December 1995).

Aujame et al., "High Affinity Human Antibodies by Phage Display," *Human Antibodies* vol. 8 no. 4: pp. 155-168 (1997).

Baner et al., "More Keys to Padlock Probes: Mechanisms for High-Throughput Nucleic Acid Analysis," *Current Opinion in Biotechnology* vol. 12: pp. 11-15 (2001).

Barbas et al., "Selection of Human Anti-Viral Antibodies," *Trends in Biotechnology* vol. 14: pp. 230-234 (1996).

Becker et al., "High-Efficiency Transformation of Yeast by Electroporation," *Methods in Enzymology* vol. 194: pp. 182-187 (1991).

Bellefroid et al., "The Evolutionary Conserved Kruppel-Associated Box Domain Defines a Subfamily of Eukaryotic Multifingered Proteins," *Proc. Natl. Acad. Sci. USA* vol. 88: pp. 3608-3612 (1991).

Bellefroid et al., "Clustered Organization of Homologous KRAB Zinc-Finger Genes with Enhanced Expression in Human T Lymphoid Cells," *EMBO Journal* vol. 12: pp. 1363-1374 (1993).

Brenner et al., "In Vitro Cloning of complex Mixtures of DNA on Microbeads: Physical Separation of Differentially Expressed cDNAs," *Proc. Nat. Acad. Sci. USA* vol. 97 no. 4: pp. 16650-16670 (2000).

Brett et al., "EST Comparison Indicates 38% of Human mRNAs Contain Possible Alternative Splice Forms," *FEBS Letters* vol. 474 no. 1: pp. 83-86 (2000).

Call et al., "Isolation and Characterization of a Zinc Finger Polypeptide Gene at the Human Chromosome 11 Wilms' Tumor Locus," *Cell* vol. 60: pp. 509-520 (1990).

Chan et al., "Triplex DNA: Fundamentals, Advances, and Potential Applications for Gene Therapy," *J. Mol. Med.* vol. 75 no. 4: pp. 267-282 (1997).

Chen et al., "Herbicide Resistance from a Divide EPSPS Protein: The Split *Synechocystis* DnaE Intein as an In Vivo Affinity Domain," *Gene* vol. 263: pp. 39-48 (2001).

Chen et al., "Fusion Between a Novel Kruppel-Like Zinc Finger Gene and the Retinoic Acid Receptor Alpha Locus Due to a Variant t(11;17) Translocation Associated with Acute Promyelocytic Leukaemia," *EMBO Journal* vol. 12: pp. 1161-1167 (1993).

Chenchik et al., "Full Length cDNA cloning and Determination of mRNA 5' and 3' Ends by Amplification

of Adaptor-Ligated cDNA," *BioTechniques* vol. 21: pp. 526-532 (1996).

Cheng et al., "In Vivo Promoter Activity and Transgene Expression in Mammalian Somatic Tissues Evaluated by Using Particle Bombardment," *Proc. Natl. Acad. Sci. USA* vol. 90 no. 10: pp. 4455-4459 (1993).

Co et al., "Humanized Antibodies for Therapy," *Nature* vol. 351: pp. 501-502 (6 June 1991).

Cormack et al., "FACS-Optimized Mutants of the Green Fluorescent Protein (GFP)," *Gene* vol. 173: pp. 33-38 (1996).

Culver et al., "Correction of Chromosomal Point Mutations in Human Cells with Bifunctional Oligonucleotides," *Nature Biotechnology* vol. 17 no. 10: pp. 989-993 (1999).

Cunningham et al., "High Resolution Epitope Mapping of hGH-Receptor Interactions by Alanine-Scanning Mutagenesis," *Science* vol. 244 no. 4908: pp. 1081-1085 (2 June 1989).

de Kruif et al., "New Perspectives on Recombinant Human Antibodies," *Immunology Today* vol. 17 no. 10: pp. 453-455 (1996).

Delgado et al., "The Uses and Properties of PEG-Linked Proteins," *Critical Reviews in Therapeutic Drug Carrier Systems* vol. 9 nos. 3 & 4: pp. 249-304 (1992).

DeSantis et al., "Chemical Modification of Enzymes for Enhanced Functionality," *Current Opinion in Biotechnology* vol. 10: pp. 324-330 (1999).

Drees, Becky L., "Progress and Variation in Two-Hybrid and Three-Hybrid Technologies," *Current Opinion in Chemical Biology* vol. 3: pp. 64-70 (1999).

Edelman et al., "Obtaining a Functional Recombinant Anti-Rhesus (D) Antibody Using the Baculovirus-Insect Cell Expression System," *Immunology* vol. 91: pp. 13-19 (1997).

- El-Baradi et al., "Zinc Finger Proteins: What We Know and What We Would Like to Know," *Mechanisms of Development* vol. 35: pp. 155-169 (1991).
- Eldin et al., "High-Level Secretion of Two Antibody Single Chain Fv Fragments by *Pichia Pastoris*," *Journal of Immunological Methods* vol. 201: pp. 67-75 (1997).
- Escude et al., , "Padlock Oligonucleotides for Duplex DNA Base on Sequence-Specific Triple Helix Formation," *Proc. Nat. Acad. Sci. USA* vol. 96 no. 19: pp. 10603-10607 (1999).
- Fashena et al., "The Continued Evolution of Two-Hybrid Screening Approaches in Yeast: How to Outwit Different Preys with Different Baits," *Gene* vol. 250: pp. 1-14 (2000).
- Fields et al., "The Two-Hybrid System: an Assay for Protein-Protein Interactions," *Trends in Genetics* vol. 10 no. 8: pp. 286-292 (August 1994).
- Finn et al., "Synthesis and Properties of DNA-PNA Chimeric Oligomers," *Nucleic Acids Research* vol. 24: pp. 3357-3363 (1996).
- Fischer et al., "Antibody Production by Molecular Farming in Plants," *Journal of Biological Regulators and Homeostatic Agents* vol. 14 no. 2: pp. 83-92 (2000).
- Fischer et al., "Molecular Farming of Recombinant Antibodies in Plants," *Biol. Chem.* vol. 380: pp. 825-839 (July/August 1999).
- Fischer et al., "Towards Molecular Farming in the Future: Transient Protein Expression in Plants," *Biotechnol. Appl. Biochem.* vol. 30: pp. 113-116 (1999).
- Fischer et al., "Towards Molecular Farming in the Future: *Pichia Pastoris*-Based Production of Single-Chain Antibody Fragments," *Biotechnol. Appl. Biochem.* vol. 30: pp. 117-120 (1999).
- Fox, "Targeting DNA with Triplexes," *Curr. Med. Chem.* vol. 7 no. 1: pp. 17-37 (2000).

Frenken et al., "Recent Advances in the Large-Scale Production of Antibody Fragments Using Lower Eukaryotic Microorganisms," *Res. Immunol.* vol. 149: pp. 589-599 (1998).

Freyre et al., "Very High Expression of an Anti-Carcinoembryonic Antigen Single Chain Fv Antibody Fragment in the Yeast *Pichia Pastoris*," *Journal of Biotechnology* vol. 76: pp. 157-163 (2000).

Friedman et al., "KAP-1, a Novel Corepressor for the Highly conserved KRAB Repression Domain," *Genes Devel.* vol. 10: pp. 2067-2078 (1996).

Gamper et al., "The DNA Strand of Chimeric RNA/DNA Oligonucleotides Can Direct Gene Repair/Conversion Activity in Mammalian and Plant Cell-Free Extracts," *Nucleic Acids Research* vol. 28 no. 21: pp. 4332-4339 (2000).

Gautheret et al., "Alternate Polyadenylation in Human mRNAs: A Large-Scale Analysis by EST Clustering," *Genome Research* vol. 8: pp. 524-530 (1998).

Gavilondo et al., "Antibody Engineering at the Millennium," *Biotechniques* vol. 29: pp. 128-138 (2000).

Geysen et al., "Use of Peptide Synthesis to Probe Viral Antigens for Epitopes to a Resolution of a Single Amino Acid," *Proc. Nat. Aca. Sci. USA* vol. 81: pp. 3998-4002 (1984).

Giddings et al., "Transgenic Plants as Factories for Biopharmaceuticals," *Nature Biotechnology* vol. 18: pp. 1151-1155 (2000).

Gonnet et al., "Exhaustive Matching of the Entire Protein Sequence Database," *Science* vol. 256 no. 5062: pp. 1443-1445 (1992).

Griffiths et al., "Strategies for Selection of Antibodies by Phage Display," *Current Opinion in Biotechnology* vol. 9: pp. 102-108 (1998).

Grondin et al., "The KRAB Zinc Finger Gene ZNF74 Encodes an RNA-Binding Protein Tightly Associated with

the Nuclear Matrix," *Journal of Biological Chemistry* vol. 271: pp. 15458-15467 (1996).

Hanahan, "Studies of Transformation of *Escherichia Coli* with Plasmids," *Journal of Molecular Biology* vol. 166 no. 4: pp. 557-580 (1983).

Hanke, "Alternative Splicing of Human Genes: More the Rule than the Exception?" *Trends in Genetics* vol 15 no. 1: pp. 389-390 (1999).

Harrington et al., "Formation of de novo Centromeres and Construction of First-Generation Human Artificial Microchromosomes," *Nature Genetics* vol. 15 no. 4: pp. 345-355 (1997).

Heid et al., "Real Time Quantitative PCR," *Genome Research* vol. 6 no. 10: pp. 986-994 (1996).

Heikal et al., "Molecular Spectroscopy and Dynamics of Intrinsically Fluorescent Proteins: Coral red (dsRed) and Yellow (Citrine)," *Proc. Natl. Acad. Sci. USA* vol. 97: pp. 11996-12001 (2000).

Heim et al., "Engineering Green Fluorescent Protein for Improved Brightness, Longer Wavelengths and Fluorescence Resonance Energy Transfer," *Current Biology* vol. 6: pp. 178-182 (1996).

Henegariu et al., "Custom Fluorescent-Nucleotide Synthesis as an Alternative Method for Nucleic Acid Labeling," *Nature Biotechnology* vol. 18: pp. 345-348 (2000).

Henikoff et al., "Amino Acid Substitution Matrices from Protein Blocks," *Proc. Natl. Acad. Sci. USA* vol. 89: pp. 10915-10919 (November 1992).

Henning et al., "Human Artificial Chromosomes Generated by Modification of a Yeast Artificial Chromosome Containing Both Human Alpha Satellite and Single-Copy DNA Sequences," *Proc. Natl. Acad. Sci. USA* vol. 96 no. 2: pp. 592-597 (1999).

Holland et al., "Detection of Specific Polymerase Chain reaction Product by Utilizing the 5' → 3' Exonuclease

Activity of *Thermus Aquaticus* DNA Polymerase," *Proc. Natl. Acad. Sci. USA* vol. 88: pp. 7276-7280 (1991).

Hoogenboom, "Designing and Optimizing Library Selection Strategies for Generating High-Affinity Antibodies," *Trends in Biotechnology* vol. 15: pp. 62-70 (February 1997).

Hoogenboom et al., "Antibody Phage Display Technology and its Applications," *Immunotechnology*, vol. 4: pp. 1-20 (1998).

Hoovers et al., "High Resolution Localization of 69 Potential Human Zinc Finger Protein Genes: A Number Are Clustered," *Genomics* vol. 12: pp. 254-263 (1992).

Hsu et al., "Coexpression of Molecular Chaperone BiP Improves Immunoglobulin Solubility and IgG Secretion from *Trichoplusia ni* Insect Cells," *Biotechnol. Prog.* vol. 13: pp. 96-104 (1997).

Hudson, "Recombinant Antibody Fragments," *Current Opinion in Biotechnology* vol. 9: pp. 395-402 (1998).

International Human Genome Sequencing Consortium, *Nature* vol. 409: pp. 860-921 (15 February 2001).

Intody et al., "Blocking Transcription of the Human Rhodopsin Gene by Triplex-Mediated DNA Photocrosslinking," *Nucleic Acids Research* vol. 28 no. 21: pp. 4283-4290 (2000).

Jelsma et al., "Increased Labeling of DNA Probes For *In Situ* Hybridization with the Universal Linkage System (ULS)," *Journal of NIH Research* vol. 5: p. 82 (1994).

Jin et al., "High Resolution Functional Analysis of Antibody-Antigen Interactions," *J. Mol. Biol.* vol. 226: pp. 851-865 (1992).

Kim et al., "A Novel Member of the RING Finger Family, KRIP-1, Associates with the KRAB-A Transcriptional Repressor Domain of Zinc Finger Proteins," *Proc. Natl. Acad. Sci. USA* vol. 93: pp. 15299-15304 (1996).

Kochetkova et al., , "Triplex-Forming Oligonucleotides and Their Use in the Analysis of Gene Transcription,"

- Methods in Molecular Biology* vol. 130: pp. 189-201 (2000).
- Kohlhase et al., "Mutations in the *Sall1* Putative Transcription Factor Gene Cause Townes-Brocks Syndrome," *Nature Genetics* vol. 18: pp. 81-83 (1998).
- Kole et al., "Protein-Tyrosine Phosphatase Inhibition by a Peptide Containing the Phosphotyrosyl Mimetic, L-O-Malonyltyrosine," *Biochemical & Biophysical Research Communications* vol. 209 no. 3: pp. 817-821 (1995).
- Kostrikis et al., "Spectral Genotyping of Human Alleles," *Science* vol. 279: pp. 1228-1229 (1998).
- Kricka et al., "Comparison of 5-Hydroxy-2, 3-Dihydrophthalazine-1, 4-Dione and Luminol as Co-Substrates for Detection of Horseradish Peroxidase in Enhanced Chemiluminescent Reactions," *Journal of Immunoassay* vol. 17: pp. 67-83 (1996).
- Kuimelis et al., "Structural Analogues of TaqMan Probes for Real-Time Quantitative PCR," *Nucleic Acids Symposium Series* no. 37: pp. 255-256 (1997).
- Kuroiwa et al., "Manipulation of Human Minichromosomes to Carry Greater than Megabase-Sized Chromosome Inserts," *Nature Biotechnology* vol. 18 no. 10: pp. 1086-1090 (2000).
- Lander et al., "The Chipping Forecast," *Supplement to Nature Genetics* vol. 21 no. 1: pp. 1-60 (January 1999).
- Larsen et al., "Antisense Properties of Peptide Nucleic Acid," *Biochimica et Biophysica Acta* 1489 vol. 1: pp. 159-166 (1999).
- Lauffer et al., "MS-325: Albumin-Targeted Contrast Agent for MR Angiography," *Radiology* vol. 207 no. 2: pp. 529-538 (1998).
- Lerner, "Tapping the Immunological Repertoire to Produce Antibodies of Predetermined Specificity," *Nature* vol. 299: pp. 592-596 (1982).
- Li et al., "Production of Functional Antibodies Generated in a Nonlytic Insect Cell Expression System,"

Protein Expression and Purification vol. 21: pp. 121-128 (2001).

Li et al., "Deletions of the *Aequorea Victoria* Green Fluorescent Protein Define the Minimal Domain Required for Fluorescence," *Journal of Biological Chemistry* vol. 272: pp. 28545-28549 (1997).

Liang et al., "Gene Index Analysis of the Human Genome Estimates Approximately 120,000 Genes," *Nature Genetics* vol. 25 no. 2: pp. 239-240 (2000).

Liu et al., "Progress Toward the Evolution of an Organism with an Expanded Genetic Code," *Proc. Natl. Acad. Sci. USA* vol. 96: pp. 4780-4785 (1999).

Lizardi et al., "Mutation Detection and Single-Molecule Counting Using Isothermal Rolling-Circle Amplification," *Nature Genetics* vol. 19: pp. 225-232 (1998).

Luban et al., "The Yeast Two-Hybrid System for Studying Protein-Protein Interactions," *Current Opinions in Biotechnology* vol. 6: pp. 59-64 (1995).

Lundqvist et al., "Influence of Different Luminols on the Characteristics of the Chemiluminescence Reaction in Human Neutrophils," *J. Biolumin. Chemilumin.* vol. 10: pp. 353-359 (1995).

Ma et al., "Plant Antibodies for Immunotherapy," *Plant Physiology* vol. 109: pp. 341-346 (1995).

Malmqvist, "BIAcore: An Affinity Biosensor System for Characterization of Biomolecular Interactions," *Biochemical Society Transactions* vol. 27 no. 2: pp. 335-340 (1999).

Margolin et al., "Kruppel-Associated Boxes are Potent Transcriptional Repression Domains," *Proc. Natl. Acad. Sci. USA* vol. 91: pp. 4509-4513 (1994).

Marras et al., "Multiplex Detection of Single-Nucleotide Variations Using Molecular Beacons," *Genetic Analysis: Biomolecular Engineering* vol. 14: pp. 151-156 (1999).

McGuffie et al., "Antigene and Antiproliferative Effects of a c-myc-Targeting Phosphorathioate Triple Helix-Forming Oligonucleotide in Human Leukemia Cells," *Cancer Research* vol. 60 no. 14: pp. 3790-3799 (2000).

Mendelsohn et al., "Applications of Interaction Traps/Two-Hybrid Systems to Biotechnology Research," *Current Opinion in Biotechnology* vol. 5: pp. 482-486 (1994).

Merchant et al., "Recent Advancements in Surface-Enhanced Laser Desorption/Ionization-Time of Flight-Mass Spectrometry," *Electrophoresis* vol. 21: pp. 1164-1177 (2000).

Merk et al., "Cell-Free Expression of Two Single-Chain Monoclonal Antibodies Against Lysozyme: Effect of Domain Arrangement on the Expression," *J. Biochem.* vol. 125 no. 2: pp. 328-33 (1999).

Miller et al., "Repetitive Zinc-Binding Domains in the Protein Transcription Factor IIIA from *Xenopus* Oocytes," *EMBO Journal* vol. 4: pp. 1609-1614 (1985).

Mironov et al. "Frequent Alternative Splicing of Human Genes," *Genome Research* vol. 9: pp. 1288-1293 (1999).

Misra et al., "Polyamide Nucleic Acid-DNA Chimera Lacking the Phosphate Backbone Are Novel Primers for Polymerase Reaction Catalyzed by DNA Polymerases," *Biochemistry* vol. 37: pp. 1917-1925 (1998).

Miyawaki et al., "Fluorescent Indicators for Ca^{2+} Based on Green Fluorescent Proteins and Calmodulin," *Nature* vol. 388: pp. 882-887 (1997).

Moosmann et al., "Transcriptional Repression by RING Finger Protein TIF1 Beta that Interacts with the KRAB Repressor Domain of KOX1," *Nucleic Acids Research* vol. 24: pp. 4849-4867 (1996).

Morrison et al., "Chimeric Human Antibody Molecules: Mouse Antigen-Binding Domains with Human constant Region Domains," *Proc. Natl. Acad. Sci. USA* vol. 81: pp. 6851-6855 (1984).

- Nesbit et al., "Production of a Functional Monoclonal Antibody Recognizing Human Colorectal Carcinoma Cells from a Baculovirus Expression System," *Journal of Immunological Methods* vol. 151: pp. 201-208 (1992).
- Nielsen, "Peptide Nucleic Acids as Therapeutic Agents," *Current Opinion in Structural Biology* vol. 9: pp. 353-357 (1999).
- Nielsen, "Applications of Peptide Nucleic Acids," *Current Opinion in Biotechnology* vol. 10: pp. 71-75 (1999).
- Nielsen et al., "Peptide Nucleic Acids: On the Road to New Gene Therapeutic Drugs," *Pharmacology & Toxicology* vol. 86: pp. 3-7 (2000).
- Nilsson et al., "Padlock Probes: Circularizing Oligonucleotides for Localized DNA Detection," *Science* vol. 265 no. 5181: pp. 2085-2088 (1994).
- Ormö et al., "Crystal Structure of the Aequorea Victoria Green Fluorescent Protein," *Science* vol. 273: pp. 1392-1395 (1996).
- Palm et al., "Spectral Variants of Green Fluorescent Protein," in Green Fluorescent Proteins, Conn (ed.), *Methods in Enzymology* vol. 302: pp. 378-394 (1999).
- Pengue et al., "Repression of Transcriptional Activity at a Distance by the Evolutionarily Conserved KRAB Domain Present in a Subfamily of Zinc Finger Proteins," *Nucleic Acids Research* vol. 22: pp. 2908-2914 (1994).
- Penn et al., "Mining the Human Genome Using Microarrays of Open Reading Frames," *Nature Genetics* vol. 26: pp. 315-318 (2000).
- Pennell et al., "In Vitro Production of Recombinant Antibody Fragments in *Picis Pastoris*," *Research in Immunology* vol. 149 no. 6: pp. 599-603 (1998).
- Phylactou, "Ribozyme and Peptide-Nucleic Acid-Based Gene Therapy," *Advanced Drug Delivery Reviews* vol. 44 nos. 2-3: pp. 97-108 (2000).

Phylactou et al., "Ribozymes as Therapeutic Tools for Genetic Disease," *Human Molecular Genetics* vol. 7 no. 10: pp. 1649-1653 (1998).

Pierce et al., "A Positive Selection Vector for Cloning High Molecular Weight DNA by the Bacteriophage P1 System: Improved Cloning Efficiency," *Proc. Natl. Acad. Sci. USA* vol. 89 no. 6: pp. 2056-2060 (1992).

Pollock et al., "Transgenic Milk as a Method for the Production of Recombinant Antibodies," *Journal of Immunological Methods* vol. 231: pp. 147-157 (1999).

Posnett et al., "A Novel Method for Producing Anti-Peptide Antibodies," *Journal of Biological Chemistry* vol. 263: pp. 1719-1725 (1988).

Praseuth et al., "Triple Helix Formation and the Antigene Strategy for Sequence-Specific Control of Gene Expression," *Biochimica et Biophysica Acta* 1489: pp. 181-206 (1999).

Rader et al., "Phase Display of Combinatorial Antibody Libraries," *Current Opinion in Biotechnology* vol. 8: pp. 503-508 (1997).

Ray et al., "Peptide Nucleic Acid (PNA): Its Medical and Biotechnical Applications and Promise for the Future," *FASEB Journal* vol. 14 no. 9: pp. 1041-1060 (2000).

Riechmann et al., "Reshaping Human Antibodies for Therapy," *Nature* vol. 332: pp. 323-327 (24 March 1988).

Rosenberg et al., "Structural Homology of the Product of the *Drosophila* Kruppel Gene with *Xenopus* Transcription Factor IIIA," *Nature* vol. 319: pp. 336-339 (1986).

Rossi, "Therapeutic Applications of Catalytic Antisense RNAs (Ribozymes)," *Ciba Found. Symp.* vol. 209: pp. 195-204 (1997).

Russell, D.A., "Feasibility of Antibody Production in Plants for Human Therapeutic Use," *Current Topics in Microbiology & Immunology* vol. 240: pp. 119-38 (1999).

- Ryabova et al., "Functional Antibody Production Using Cell-Free Translation: Effects of Protein Disulfide Isomerase and Chaperones," *Nature Biotechnology* vol. 15: pp. 79-84 (1997).
- Schiestl et al., "High Efficiency Transformation of Intact Yeast Cells Using Single Stranded Nucleic Acids as a Carrier," *Current Genetics* vol. 16 nos.5 & 6: pp. 339-346 (1989).
- Schoner et al., "Translation of a Synthetic Two-Cistron mRNA in *Escherichia coli*," *Proc. Natl. Acad. Sci. USA* vol. 83: pp. 8506-8510 (1986).
- Schuh et al., "A Conserved Family of Nuclear Proteins Containing Structural Elements of the Finger Protein Encoded by *Kruppel*, a *Drosophila* Segmentation Gene," *Cell* vol. 47: pp. 1025-1032 (1986).
- Schweitzer et al., "Combining Nucleic Acid Amplification and Detection," *Current Opinion in Biotechnology* vol. 12 no. 1: pp. 21-27 (2001).
- Scott et al., "Cellular Camouflage: Fooling the Immune System with Polymers," *Current Pharmaceutical Design* vol. 4: pp. 423-438 (1998).
- Shaknovich et al., "The Promyelocytic Leukemia Zinc Finger Protein Affects Myeloid Cell Growth, Differentiation, and Apoptosis," *Mol. Cell. Biol.* vol. 18: pp. 5533-5545 (1998).
- Sharon et al., "Expression of a VHCK Chimaeric Protein in Mouse Myeloma Cells," *Nature* vol. 309: pp. 364-367 (1984).
- Shinnick et al., "Synthetic Peptide Immunogens as Vaccines," *Annual Review of Microbiology* vol. 37: pp. 425-446 (1983).
- Shizuya et al., "The Development and Applications of the Bacterial Artificial Chromosome Cloning System," *Keio J. Med.* vol. 50 no. 1: pp. 26-30 (2000).
- Shizuya et al., "Cloning and Stable Maintenance of 300-Kilobase-Pair Fragments of Human DNA in *Escherichia*

Coli Using and F-Factor Based Vector," *Proc. Natl. Acad. Sci. USA* vol. 89 no. 18: pp. 8794-8797 (1992).

Shusta et al., "Increasing the Secretory Capacity of *Saccharomyces Cerevisiae* for Production of Single-Chain Antibody Fragments," *Nature Biotechnology* vol. 16: pp. 773-777 (August 1998).

Sidhu, Sachdev S., "Phage Display in Pharmaceutical Biotechnology," *Current Opinion in Biotechnology* vol. 11: pp. 610-616 (2000).

Sigurdsson et al., "Structure-Function Relationships of Hammerhead Ribozymes: from Understanding to Applications," *Trends in Biotechnology* vol. 13 no. 8: pp. 286-289 (1995).

Sokol et al., "Real Time Detection of DNA-RNA Hybridization in Living Cells," *Proc. Natl. Acad. Sci. USA* vol. 95: pp. 11538-11543 (1998).

Sternberg, "Bacteriophage P1 Cloning System for the Isolation, Amplification, and Recovery of DNA Fragments as Large as 100 Kilobase Pairs," *Proc. Natl. Acad. Sci. USA* vol. 87 no. 1: pp. 103-107 (1990).

Sternberg et al., "Generation of a 50,000-Member Human DNA Library with an Average DNA Insert Size of 75-100 kbp in a Bacteriophage P1 Cloning Vector," *New Biology* vol. 2 no. 2: pp. 151-162 (1990).

Sutcliffe et al., "Antibodies that React with Predetermined Sites on Proteins," *Science* vol. 219: pp. 660-666 (1983).

Suzuki et al., "Stereochemical Basis of DNA Recognition by Zn Fingers," *Nucleic Acids Research* vol. 22: pp. 3397-3405 (1994).

Swiatek et al., "Perinatal Lethality and Defects in Hindbrain Development in Mice Homozygous for a Targeted Mutation of the zinc Finger Gene *Krox20*," *Genes & Development* vol. 7: pp. 2071-2084 (1993).

Takahashi et al., "Production of Humanized Fab Fragment Against Human High Affinity IgE Receptor in *Pichia*

Pastoris," *Biosci. Biotechnol. Biochem.* vol. 64 no. 10: pp. 2138-2144 (2000).

Takeda et al., "Construction of Chimaeric Processed Immunoglobulin Genes Containing Mouse Variable and Human constant Region Sequences," *Nature* vol. 314: pp. 452-454 (April 1985).

Tam et al., "Synthetic Peptide Vaccine Design: Synthesis and Properties of a High-Density Multiple Antigenic Peptide System," *Proc. Natl. Acad. Sci. USA* vol. 85: pp. 5409-5413 (1988).

Tatiana et al., "Blast 2 Sequences - A New Tool for Comparing Protein and Nucleotide Sequences," *FEMS Microbiology Letters* vol. 174: pp. 247-250 (1999).

Thorpe et al., "Bioluminescence and Chemiluminescence," *Methods in Enzymology* vol. 133: pp. 331-353 (1986).

Topcu et al., "The Yeast Two-Hybrid System and Its Pharmaceutical Significance," *Pharmaceutical Research* vol. 17 no. 9: pp. 1049-1055 (2000).

Tyagi et al., "Multicolor Molecular Beacons for Allele Discrimination," *Nature Biotechnology* vol. 16: pp. 49-53 (1998).

Tyagi et al., "Molecular Beacons: Probes that Fluoresce upon Hybridization," *Nature Biotechnology* vol. 14: pp. 303-308 (1996).

Van Belkum et al., "Non-Isotopic Labeling of DNA by Newly Developed Hapten-Containing Platinum Compounds," *BioTechniques* vol. 16: pp. 148-153 (1994).

Verma et al., "Antibody Engineering: Comparison of Bacterial, Yeast, Insect and Mammalian Expression Systems," *Journal of Immunological Methods* vol. 216: pp. 165-81 (1998).

Wang et al., "Expanding the Genetic Code of *Escherichia Coli*," *Science* vol. 292 no. 5516: pp. 498-500 (2001).

Weiss et al., "Rapid Mapping of Protein Functional Epitopes by Combinatorial Alanine Scanning," *Proc. Natl. Acad. Sci. USA* vol. 97: pp. 8950-8954 (2000).

Williams et al., "The Zinc Finger-Associated SCAN Box is a Conserved Oligomerization Domain," *Molecular and Cell Biology* vol. 19: pp. 8526-8535 (1999).

Winter et al., "Making Antibodies by Phage Display Technology," *Annual Review of Immunology*: pp. 433-455 (1994).

Witzgall et al., "The Kruppel-Associated Box-A (KRAB-A) Domain of Zinc Finger Proteins Mediates Transcriptional Repression," *Proc. Natl. Acad. Sci. USA* vol. 91: pp. 4514-4518 (1994).

Xiao et al., "FGFR1 is Fused with a Novel Zinc-Finger Gene, ZNF198, in the t(8;13) Leukaemia/Lymphoma Syndrome," *Nature Genetics* vol. 18: pp. 84-87 (1998).

Yang et al., "In Vivo and In Vitro Gene Transfer to Mammalian Somatic Cells by Particle Bombardment," *Proc. Natl. Acad. Sci. USA* vol. 87 no. 24: pp. 9568-9572 (1990).

Yokoyama et al., "Isolation of a cDNA Encoding a Widely Expressed Novel Zinc Finger Protein with the LeR and KRAB-A Domains," *Bochimica et Bioophysica Acta* 1353: pp. 13-17 (1997).

Copies of the aforementioned documents, which are listed on the accompanying Form PTO-1449 (submitted in duplicate), are enclosed herewith.

It is respectfully requested that these documents be (1) fully considered by the Patent and Trademark Office during the examination of this application; and (2) printed on any patent that may issue on this application.

Applicants request that a copy of Form PTO-1449 (submitted in duplicate herewith), as considered and initialed by the Examiner, be returned with the next communication.

An early and favorable action is respectfully
requested.

Respectfully submitted,

20 DEC 2001 

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FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. AEOMICA-12	SERIAL NO. 09/922,181
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT Shann n et al.	
		FILING DATE August 2, 2001	GROUP 1632

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE APPROPRIATE
	6,235,502	05/22/01	Weissman et al.			
	6,221,603	04/24/01	Mahtani			
	6,210,884	04/03/01	Lizardi			
	6,204,250	03/20/01	Bot et al.			
	6,204,061	03/20/01	Capecchi et al.			
	6,187,305	02/13/01	Treco et al.			
	6,183,960	02/06/01	Lizardi			
	6,180,406	01/30/01	Stemmer			
	6,180,377	01/30/01	Morgan et al.			
	6,180,370	01/30/01	Queen et al.			
	6,165,793	12/26/00	Stemmer			
	6,162,963	12/19/00	Kucherlapati et al.			
	6,150,584	11/21/00	Kucherlapati et al.			
	6,124,128	09/26/00	Tsien et al.			
	6,117,679	09/12/00	Stemmer			
	6,114,598	09/05/00	Kucherlapati et al.			
	6,110,898	08/29/00	Malone et al.			
	6,096,865	08/01/00	Michaels			
	6,096,548	08/01/00	Stemmer			
	6,090,919	07/18/00	Cormack et al.			
	6,075,181	07/13/00	Kucherlapati et al.			
	6,066,476	05/23/00	Tsien et al.			
	6,063,630	05/16/00	Treco et al.			
	6,054,321	04/25/00	Tsien et al.			
	6,054,297	04/25/00	Carter et al.			
	6,051,831	04/18/00	Koster			
	6,048,524	04/11/00	Selden et al.			
	6,046,800	04/04/00	Ohtomo et al.			
	6,042,549	03/28/00	Amano et al.			

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE APPROPRIATE
	6,027,881	02/22/00	Pavliakis et al.			
	6,025,201	02/15/00	Zelmanovic et al.			
	6,017,897	01/25/00	Li et al.			
	6,016,191	01/18/00	Ramos et al.			
	6,013,256	01/11/00	Light et al.			
	6,004,752	12/21/99	Loewy et al.			
	6,004,744	12/21/99	Goelet et al.			
	6,001,233	12/14/99	Levy			
	5,990,689	11/23/99	Poncon			
	5,985,847	11/16/99	Carson et al.			
	5,984,175	11/16/99	Popp			
	5,981,214	11/09/99	Skoultchi			
	5,968,750	10/19/99	Zolotukhin et al.			
	5,958,891	09/28/99	Hsu et al.			
	5,945,339	08/31/99	Holloman et al.			
	5,939,598	08/17/99	Kucherlapati et al.			
	5,930,143	07/27/99	Savazzi			
	5,925,517	07/20/99	Tyagi et al.			
	5,889,351	03/30/99	Okumura et al.			
	5,888,983	03/30/99	Kmiec et al.			
	5,880,104	03/09/99	Li et al.			
	5,877,397	03/02/99	Lonberg et al.			
	5,874,304	02/23/99	Zolotukhin et al.			
	5,874,299	02/23/99	Lonberg et al.			
	5,871,984	02/16/99	Kmiec			
	5,869,619	02/09/99	Studnicka			
	5,854,033	12/29/98	Lizardi			
	5,846,726	12/08/98	Nadeau et al.			
	5,843,913	12/01/98	Li et al.			

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		FILING DATE August 2, 2001	GROUP 1632

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE APPROPRIATE
	5,830,877	11/03/98	Carson et al.			
	5,824,269	10/20/98	Kosaka et al.			
	5,821,337	10/13/98	Carter et al.			
	5,821,123	10/13/98	Studnicka			
	5,814,318	09/29/98	Lonberg et al.			
	5,807,715	09/15/98	Morrison et al.			
	5,804,566	09/08/98	Carson et al.			
	5,804,387	09/08/98	Cormack et al.			
	5,795,972	08/18/98	Kmiec			
	5,789,650	08/04/98	Lonberg et al.			
	5,783,674	07/21/98	Geysen			
	5,780,296	07/14/98	Holloman et al.			
	5,777,079	07/07/98	Tsien et al.			
	5,770,429	07/23/98	Lonberg et al.			
	5,770,196	06/23/98	Studnicka			
	5,766,886	06/16/98	Studnicka et al.			
	5,760,012	06/02/98	Kmiec			
	5,756,325	05/26/98	Kmiec			
	5,744,305	04/28/98	Fodor et al.			
	5,741,668	04/21/98	Ward et al.			
	5,731,181	03/24/98	Kmiec			
	5,723,591	03/03/98	Livak et al.			
	5,719,262	02/17/98	Buchardt et al.			
	5,714,331	02/03/98	Buchardt et al.			
	5,714,320	02/03/98	Kool			
	5,693,761	12/02/97	Queen et al.			
	5,679,647	10/21/97	Carson et al.			
	5,677,439	10/14/97	Weis et al.			
	5,677,437	10/14/97	Teng et al.			

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U.S. PATENT DOCUMENTS

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	5,663,312	09/02/97	Chaturvedula			
	5,661,016	08/26/97	Lonberg et al.			
	5,648,245	07/15/97	Fire et al.			
	5,633,425	05/27/97	Lonberg et al.			
	5,633,360	05/27/97	Bischofberger et al.			
	5,631,153	05/20/97	Capecchi et al.			
	5,627,059	05/06/97	Capecchi et al.			
	5,627,052	05/06/97	Schrader			
	5,625,126	04/29/97	Lonberg et al.			
	5,625,050	04/29/97	Beaton et al.			
	5,625,048	04/29/97	Tsien et al.			
	5,623,070	04/22/97	Cook et al.			
	5,618,704	04/08/97	Sanghvi et al.			
	5,614,396	03/25/97	Bradley et al.			
	5,610,289	03/11/97	Cook et al.			
	5,608,046	03/04/97	Cook et al.			
	5,602,240	02/11/97	De Mesmaeker et al.			
	5,596,086	01/21/97	Matteucci et al.			
	5,595,915	01/21/97	Geysen			
	5,591,669	01/07/97	Krimpenfort et al.			
	5,589,466	12/31/96	Feigner et al.			
	5,587,361	12/24/96	Cook et al.			
	5,571,799	11/05/96	Tkachuk et al.			
	5,570,694	11/05/96	Rometsch			
	5,569,825	10/29/96	Lonberg et al.			
	5,563,253	10/08/96	Agrawal et al.			
	5,561,225	10/01/96	Maddry et al.			
	5,550,111	08/27/96	Suhadolnik et al.			
	5,545,807	08/13/96	Surani et al.			

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE APPROPRIATE
	5,545,806	08/13/96	Lonberg et al.			
	5,541,307	07/30/96	Cook et al.			
	5,541,306	07/30/96	Agrawal et al.			
	5,539,084	07/23/96	Geysen			
	5,539,082	07/23/96	Nielsen et al.			
	5,538,848	07/23/96	Livak et al.			
	5,536,821	07/16/96	Agrawal et al.			
	5,527,695	06/18/96	Hodges et al.			
	5,519,126	05/21/96	Hecht			
	5,489,677	02/06/96	Sanghvi et al.			
	5,487,992	01/30/96	Capecchi et al.			
	5,476,925	12/19/95	Letsinger et al.			
	5,470,967	11/28/95	Huie et al.			
	5,466,677	11/14/95	Baxter et al.			
	5,464,764	11/07/95	Capecchi et al.			
	5,455,233	10/03/95	Spielvogel et al.			
	5,453,496	09/26/95	Caruthers et al.			
	5,445,934	08/29/95	Fodor et al.			
	5,434,257	07/18/95	Matteucci et al.			
	5,405,939	04/11/95	Suhadolnik et al.			
	5,405,938	04/11/95	Summerton et al.			
	5,399,676	03/21/95	Froehler			
	5,321,131	06/14/94	Agrawal et al.			
	5,286,717	02/15/94	Cohen et al.			
	5,279,044	01/18/94	Bremer			
	5,278,302	01/11/94	Caruthers et al.			
	5,276,019	01/04/94	Cohen et al.			
	5,272,071	12/21/93	Chappel			
	5,264,564	11/23/93	Matteucci			

EXAMINER

DATE CONSIDERED

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE APPROPRIATE
	5,264,562	11/23/93	Matteucci			
	5,264,423	11/23/93	Cohen et al.			
	5,235,033	08/10/93	Summerton et al.			
	5,216,141	06/01/93	Benner			
	5,214,134	05/25/93	Weis et al.			
	5,188,897	02/23/93	Suhadolnik et al.			
	5,186,042	02/16/93	Miyazaki			
	5,185,444	02/09/93	Summerton et al.			
	5,177,196	01/05/93	Meyer, Jr. et al.			
	5,166,315	11/24/92	Summerton et al.			
	5,034,506	07/23/91	Summerton et al.			
	5,023,243	06/11/91	Tullis			
	4,708,871	11/24/87	Geysen			
	4,476,301	10/09/84	Imbach et al.			
	4,469,863	09/04/84	Ts'o et al.			
	4,246,774	01/27/81	Flesselles et al.			
	3,980,986	09/14/76	Baird et al.			
	3,687,808	08/29/72	Merigan, Jr. et al.			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	WO 00/15779	03/23/00	PCT				
	WO 99/58720	11/18/99	PCT				
	WO 98/59362	12/30/98	PCT				
	WO 98/59361	12/30/98	PCT				
	WO 98/59360	12/30/98	PCT				
	WO 98/12559	03/26/98	PCT				

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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	WO 97/43316	11/20/97	PCT				
	WO 97/34631	09/25/97	PCT				
	WO 97/19193	05/29/97	PCT				
	WO 96/32478	10/17/96	PCT				
	WO 96/18412	06/26/96	PCT				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	
	Ailor <i>et al.</i> , "Overexpression of a Cystolic Chaperone in Insect Cells," <i>Biotechnology & Bioengineering</i> , Vol. 58 No. 2 & 3: pp. 196-203 (April 20/May 5, 1998).
	Alers <i>et al.</i> , "Universal Linkage System: An Improved Method for Labeling Archival DNA for Comparative Genomic Hybridization," <i>Genes, Chromosomes, and Cancer</i> vol. 25: pp. 301-305 (1999).
	Allen <i>et al.</i> , "Finding Prospective Partners in the Library: the Two-Hybrid System and Phage Display Find a Match," <i>Trends in Biochemical Science</i> vol. 20: pp. 511-516 (December 1995).
	Aujame <i>et al.</i> , "High Affinity Human Antibodies by Phage Display," <i>Human Antibodies</i> vol. 8 no. 4: pp. 155-168 (1997).
	Baner <i>et al.</i> , "More Keys to Padlock Probes: Mechanisms for High-Throughput Nucleic Acid Analysis," <i>Current Opinion in Biotechnology</i> vol. 12: pp. 11-15 (2001).
	Barbas <i>et al.</i> , "Selection of Human Anti-Viral Antibodies," <i>Trends in Biotechnology</i> vol. 14: pp. 230-234 (1996).
	Becker <i>et al.</i> , "High-Efficiency Transformation of Yeast by Electroporation," <i>Methods in Enzymology</i> vol. 194: pp. 182-187 (1991).
	Bellefroid <i>et al.</i> , "The Evolutionary Conserved Kruppel-Associated Box Domain Defines a Subfamily of Eukaryotic Multifingered Proteins," <i>Proc. Natl. Acad. Sci. USA</i> vol. 88: pp. 3608-3612 (1991).
	Bellefroid <i>et al.</i> , "Clustered Organization of Homologous KRAB Zinc-Finger Genes with Enhanced Expression in Human T Lymphoid Cells," <i>EMBO Journal</i> vol. 12: pp. 1363-1374 (1993).
	Brenner <i>et al.</i> , "In Vitro Cloning of complex Mixtures of DNA on Microbeads: Physical Separation of Differentially Expressed cDNAs," <i>Proc. Nat. Acad. Sci. USA</i> vol. 97 no. 4: pp. 16650-16670 (2000).
	Brett <i>et al.</i> , "EST Comparison Indicates 38% of Human mRNAs Contain Possible Alternative Splice Forms," <i>FEBS Letters</i> vol. 474 no. 1: pp. 83-86 (2000).
	Call <i>et al.</i> , "Isolation and Characterization of a Zinc Finger Polypeptide Gene at the Human Chromosome 11 Wilms' Tumor Locus," <i>Cell</i> vol. 60: pp. 509-520 (1990).
	Chan <i>et al.</i> , "Triplex DNA: Fundamentals, Advances, and Potential Applications for Gene Therapy," <i>J. Mol. Med.</i> vol. 75 no. 4: pp. 267-282 (1997).

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.

RECEIVED

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	FILING DATE August 2, 2001	GROUP 1632

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	
	Chen <i>et al.</i> , "Herbicide Resistance from a Divide EPSPS Protein: The Split <i>Synechocystis</i> DnaE Protein as an In Vivo Affinity Domain," <i>Gene</i> vol. 263: pp. 39-48 (2001).
	Chen <i>et al.</i> , "Fusion Between a Novel Kruppel-Like Zinc Finger Gene and the Retinoic Acid Receptor Alpha Locus Due to a Variant t(11;17) Translocation Associated with Acute Promyelocytic Leukaemia," <i>EMBO Journal</i> vol. 12: pp. 1161-1167 (1993).
	Chenchik <i>et al.</i> , "Full Length cDNA cloning and Determination of mRNA 5' and 3' Ends by Amplification of Adaptor-Ligated cDNA," <i>BioTechniques</i> vol. 21: pp. 526-532 (1996).
	Cheng <i>et al.</i> , "In Vivo Promoter Activity and Transgene Expression in Mammalian Somatic Tissues Evaluated by Using Particle Bombardment," <i>Proc. Natl. Acad. Sci. USA</i> vol. 90 no. 10: pp. 4455-4459 (1993).
	Co <i>et al.</i> , "Humanized Antibodies for Therapy," <i>Nature</i> vol. 351: pp. 501-502 (6 June 1991).
	Cormack <i>et al.</i> , "FACS-Optimized Mutants of the Green Fluorescent Protein (GFP)," <i>Gene</i> vol. 173: pp. 33-38 (1996).
	Culver <i>et al.</i> , "Correction of Chromosomal Point Mutations in Human Cells with Bifunctional Oligonucleotides," <i>Nature Biotechnology</i> vol. 17 no. 10: pp. 989-993 (1999).
	Cunningham <i>et al.</i> , "High Resolution Epitope Mapping of hGH-Receptor Interactions by Alanine-Scanning Mutagenesis," <i>Science</i> vol. 244 no. 4908: pp. 1081-1085 (2 June 1989).
	de Kruif <i>et al.</i> , "New Perspectives on Recombinant Human Antibodies," <i>Immunology Today</i> vol. 17 no. 10: pp. 453-455 (1996).
	Delgado <i>et al.</i> , "The Uses and Properties of PEG-Linked Proteins," <i>Critical Reviews in Therapeutic Drug Carrier Systems</i> vol. 9 nos. 3 & 4: pp. 249-304 (1992).
	DeSantis <i>et al.</i> , "Chemical Modification of Enzymes for Enhanced Functionality," <i>Current Opinion in Biotechnology</i> vol. 10: pp. 324-330 (1999).
	Drees, Becky L., "Progress and Variation in Two-Hybrid and Three-Hybrid Technologies," <i>Current Opinion in Chemical Biology</i> vol. 3: pp. 64-70 (1999).
	Edelman <i>et al.</i> , "Obtaining a Functional Recombinant Anti-Rhesus (D) Antibody Using the Baculovirus-Insect Cell Expression System," <i>Immunology</i> vol. 91: pp. 13-19 (1997).
	El-Baradi <i>et al.</i> , "Zinc Finger Proteins: What We Know and What We Would Like to Know," <i>Mechanisms of Development</i> vol. 35: pp. 155-169 (1991).
	Eldin <i>et al.</i> , "High-Level Secretion of Two Antibody Single Chain Fv Fragments by <i>Pichia Pastoris</i> ," <i>Journal of Immunological Methods</i> vol. 201: pp. 67-75 (1997).
	Escude <i>et al.</i> , "Padlock Oligonucleotides for Duplex DNA Base on Sequence-Specific Triple Helix Formation," <i>Proc. Nat. Acad. Sci. USA</i> vol. 96 no. 19: pp. 10603-10607 (1999).
	Fashena <i>et al.</i> , "The Continued Evolution of Two-Hybrid Screening Approaches in Yeast: How to Outwit Different Preys with Different Baits," <i>Gene</i> vol. 250: pp. 1-14 (2000).

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.

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		FILING DATE August 2, 2001	GROUP 1632

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	
	Fields <i>et al.</i> , "The Two-Hybrid System: an Assay for Protein-Protein Interactions," <i>Trends in Genetics</i> vol. 10 no. 8: pp. 286-292 (August 1994).
	Finn <i>et al.</i> , "Synthesis and Properties of DNA-PNA Chimeric Oligomers," <i>Nucleic Acids Research</i> vol. 24: pp. 3357-3363 (1996).
	Fischer <i>et al.</i> , "Antibody Production by Molecular Farming in Plants," <i>Journal of Biological Regulators and Homeostatic Agents</i> vol. 14 no. 2: pp. 83-92 (2000).
	Fischer <i>et al.</i> , "Molecular Farming of Recombinant Antibodies in Plants," <i>Biol. Chem.</i> vol. 380: pp. 825-839 (July/August 1999).
	Fischer <i>et al.</i> , "Towards Molecular Farming in the Future: Transient Protein Expression in Plants," <i>Biotechnol. Appl. Biochem.</i> vol. 30: pp. 113-116 (1999).
	Fischer <i>et al.</i> , "Towards Molecular Farming in the Future: <i>Pichia Pastoris</i> -Based Production of Single-Chain Antibody Fragments," <i>Biotechnol. Appl. Biochem.</i> vol. 30: pp. 117-120 (1999).
	Fox, "Targeting DNA with Triplexes," <i>Curr. Med. Chem.</i> vol. 7 no. 1: pp. 17-37 (2000).
	Frenken <i>et al.</i> , "Recent Advances in the Large-Scale Production of Antibody Fragments Using Lower Eukaryotic Microorganisms," <i>Res. Immunol.</i> vol. 149: pp. 589-599 (1998).
	Freyre <i>et al.</i> , "Very High Expression of an Anti-Carcinoembryonic Antigen Single Chain Fv Antibody Fragment in the Yeast <i>Pichia Pastoris</i> ," <i>Journal of Biotechnology</i> vol. 76: pp. 157-163 (2000).
	Friedman <i>et al.</i> , "KAP-1, a Novel Corepressor for the Highly conserved KRAB Repression Domain," <i>Genes Devel.</i> vol. 10: pp. 2067-2078 (1996).
	Gamper <i>et al.</i> , "The DNA Strand of Chimeric RNA/DNA Oligonucleotides Can Direct Gene Repair/Conversion Activity in Mammalian and Plant Cell-Free Extracts," <i>Nucleic Acids Research</i> vol. 28 no. 21: pp. 4332-4339 (2000).
	Gautheret <i>et al.</i> , "Alternate Polyadenylation in Human mRNAs: A Large-Scale Analysis by EST Clustering," <i>Genome Research</i> vol. 8: pp. 524-530 (1998).
	Gavilondo <i>et al.</i> , "Antibody Engineering at the Millennium," <i>Biotechniques</i> vol. 29: pp. 128-138 (2000).
	Geysen <i>et al.</i> , "Use of Peptide Synthesis to Probe Viral Antigens for Epitopes to a Resolution of a Single Amino Acid," <i>Proc. Nat. Aca. Sci. USA</i> vol. 81: pp. 3998-4002 (1984).
	Giddings <i>et al.</i> , "Transgenic Plants as Factories for Biopharmaceuticals," <i>Nature Biotechnology</i> vol. 18: pp. 1151-1155 (2000).
	Gonnet <i>et al.</i> , "Exhaustive Matching of the Entire Protein Sequence Database," <i>Science</i> vol. 256 no. 5062: pp. 1443-1445 (1992).
	Griffiths <i>et al.</i> , "Strategies for Selection of Antibodies by Phage Display," <i>Current Opinion in Biotechnology</i> vol. 9: pp. 102-108 (1998).
	Grondin <i>et al.</i> , "The KRAB Zinc Finger Gene <i>ZNF74</i> Encodes an RNA-Binding Protein Tightly Associated with the Nuclear Matrix," <i>Journal of Biological Chemistry</i> vol. 271: pp. 15458-15467 (1996).

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.

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	FILING DATE August 2, 2001	GROUP 1632

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	
	Hanahan, "Studies of Transformation of <i>Escherichia Coli</i> with Plasmids," <i>Journal of Molecular Biology</i> vol. 166 no. 4: pp. 557-580 (1983).
	Hanke, "Alternative Splicing of Human Genes: More the Rule than the Exception?" <i>Trends in Genetics</i> vol. 15 no. 1: pp. 389-390 (1999).
	Harrington <i>et al.</i> , "Formation of de novo Centromeres and Construction of First-Generation Human Artificial Microchromosomes," <i>Nature Genetics</i> vol. 15 no. 4: pp. 345-355 (1997).
	Heid <i>et al.</i> , "Real Time Quantitative PCR," <i>Genome Research</i> vol. 6 no. 10: pp. 986-994 (1996).
	Heikal <i>et al.</i> , "Molecular Spectroscopy and Dynamics of Intrinsically Fluorescent Proteins: Coral red (dsRed) and Yellow (Citrine)," <i>Proc. Natl. Acad. Sci. USA</i> vol. 97: pp. 11996-12001 (2000).
	Heim <i>et al.</i> , "Engineering Green Fluorescent Protein for Improved Brightness, Longer Wavelengths and Fluorescence Resonance Energy Transfer," <i>Current Biology</i> vol. 6: pp. 178-182 (1996).
	Henegariu <i>et al.</i> , "Custom Fluorescent-Nucleotide Synthesis as an Alternative Method for Nucleic Acid Labeling," <i>Nature Biotechnology</i> vol. 18: pp. 345-348 (2000).
	Henikoff <i>et al.</i> , "Amino Acid Substitution Matrices from Protein Blocks," <i>Proc. Natl. Acad. Sci. USA</i> vol. 89: pp. 10915-10919 (November 1992).
	Henning <i>et al.</i> , "Human Artificial Chromosomes Generated by Modification of a Yeast Artificial Chromosome Containing Both Human Alpha Satellite and Single-Copy DNA Sequences," <i>Proc. Natl. Acad. Sci. USA</i> vol. 96 no. 2: pp. 592-597 (1999).
	Holland <i>et al.</i> , "Detection of Specific Polymerase Chain reaction Product by Utilizing the 5' → 3' Exonuclease Activity of <i>Thermus Aquaticus</i> DNA Polymerase," <i>Proc. Natl. Acad. Sci. USA</i> vol. 88: pp. 7276-7280 (1991).
	Hoogenboom, "Designing and Optimizing Library Selection Strategies for Generating High-Affinity Antibodies," <i>Trends in Biotechnology</i> vol. 15: pp. 62-70 (February 1997).
	Hoogenboom <i>et al.</i> , "Antibody Phage Display Technology and its Applications," <i>Immunotechnology</i> , vol. 4: pp. 1-20 (1998).
	Hoovers <i>et al.</i> , "High Resolution Localization of 69 Potential Human Zinc Finger Protein Genes: A Number Are Clustered," <i>Genomics</i> vol. 12: pp. 254-263 (1992).
	Hsu <i>et al.</i> , "Coexpression of Molecular Chaperone BiP Improves Immunoglobulin Solubility and IgG Secretion from <i>Trichoplusia ni</i> Insect Cells," <i>Biotechnol. Prog.</i> vol. 13: pp. 96-104 (1997).
	Hudson, "Recombinant Antibody Fragments," <i>Current Opinion in Biotechnology</i> vol. 9: pp. 395-402 (1998).
	International Human Genome Sequencing Consortium, <i>Nature</i> vol. 409: pp. 860-921 (15 February 2001).
	Intody <i>et al.</i> , "Blocking Transcription of the Human Rhodopsin Gene by Triplex-Mediated DNA Photocrosslinking," <i>Nucleic Acids Research</i> vol. 28 no. 21: pp. 4283-4290 (2000).

EXAMINER

DATE CONSIDERED

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	FILING DATE August 2, 2001	GROUP 1632

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	
	Jelsma <i>et al.</i> , "Increased Labeling of DNA Probes For <i>In Situ</i> Hybridization with the Universal Linkage System (ULS)," <i>Journal of NIH Research</i> vol. 5: p. 82 (1994).
	Jin <i>et al.</i> , "High Resolution Functional Analysis of Antibody-Antigen Interactions," <i>J. Mol. Biol.</i> vol. 226: pp. 851-865 (1992).
	Kim <i>et al.</i> , "A Novel Member of the RING Finger Family, KRIP-1, Associates with the KRAB-A Transcriptional Repressor Domain of Zinc Finger Proteins," <i>Proc. Natl. Acad. Sci. USA</i> vol. 93: pp. 15299-15304 (1996).
	Kochetkova <i>et al.</i> , "Triplex-Forming Oligonucleotides and Their Use in the Analysis of Gene Transcription," <i>Methods in Molecular Biology</i> vol. 130: pp. 189-201 (2000).
	Kohlhase <i>et al.</i> , "Mutations in the <i>Sall1</i> Putative Transcription Factor Gene Cause Townes-Brocks Syndrome," <i>Nature Genetics</i> vol. 18: pp. 81-83 (1998).
	Kole <i>et al.</i> , "Protein-Tyrosine Phosphatase Inhibition by a Peptide Containing the Phosphotyrosyl Mimetic, L-O-Malonyltyrosine," <i>Biochemical & Biophysical Research Communications</i> vol. 209 no. 3: pp. 817-821 (1995).
	Kostrikis <i>et al.</i> , "Spectral Genotyping of Human Alleles," <i>Science</i> vol. 279: pp. 1228-1229 (1998).
	Kricka <i>et al.</i> , "Comparison of 5-Hydroxy-2, 3-Dihydrophthalazine-1, 4-Dione and Luminol as Co-Substrates for Detection of Horseradish Peroxidase in Enhanced Chemiluminescent Reactions," <i>Journal of Immunoassay</i> vol. 17: pp. 67-83 (1996).
	Kuimelis <i>et al.</i> , "Structural Analogues of TaqMan Probes for Real-Time Quantitative PCR," <i>Nucleic Acids Symposium Series</i> no. 37: pp. 255-256 (1997).
	Kuroiwa <i>et al.</i> , "Manipulation of Human Minichromosomes to Carry Greater than Megabase-Sized Chromosome Inserts," <i>Nature Biotechnology</i> vol. 18 no. 10: pp. 1086-1090 (2000).
	Lander <i>et al.</i> , "The Chipping Forecast," <i>Supplement to Nature Genetics</i> vol. 21 no. 1: pp. 1-60 (January 1999).
	Larsen <i>et al.</i> , "Antisense Properties of Peptide Nucleic Acid," <i>Biochimica et Biophysica Acta</i> 1489 vol. 1: pp. 159-166 (1999).
	Lauffer <i>et al.</i> , "MS-325: Albumin-Targeted Contrast Agent for MR Angiography," <i>Radiology</i> vol. 207 no. 2: pp. 529-538 (1998).
	Lerner, "Tapping the Immunological Repertoire to Produce Antibodies of Predetermined Specificity," <i>Nature</i> vol. 299: pp. 592-596 (1982).
	Li <i>et al.</i> , "Production of Functional Antibodies Generated in a Nonlytic Insect Cell Expression System," <i>Protein Expression and Purification</i> vol. 21: pp. 121-128 (2001).
	Li <i>et al.</i> , "Deletions of the <i>Aequorea Victoria</i> Green Fluorescent Protein Define the Minimal Domain Required for Fluorescence," <i>Journal of Biological Chemistry</i> vol. 272: pp. 28545-28549 (1997).

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.

RECEIVED

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		FILING DATE August 2, 2001	GROUP 1632

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	
	Liang <i>et al.</i> , "Gene Index Analysis of the Human Genome Estimates Approximately 120,000 Genes," <i>Nature Genetics</i> vol. 25 no. 2: pp. 239-240 (2000).
	Liu <i>et al.</i> , "Progress Toward the Evolution of an Organism with an Expanded Genetic Code," <i>Proc. Natl. Acad. Sci. USA</i> vol. 96: pp. 4780-4785 (1999).
	Lizardi <i>et al.</i> , "Mutation Detection and Single-Molecule Counting Using Isothermal Rolling-Circle Amplification," <i>Nature Genetics</i> vol. 19: pp. 225-232 (1998).
	Luban <i>et al.</i> , "The Yeast Two-Hybrid System for Studying Protein-Protein Interactions," <i>Current Opinions in Biotechnology</i> vol. 6: pp. 59-64 (1995).
	Lundqvist <i>et al.</i> , "Influence of Different Luminols on the Characteristics of the Chemiluminescence Reaction in Human Neutrophils," <i>J. Biolumin. Chemilumin.</i> vol. 10: pp. 353-359 (1995).
	Ma <i>et al.</i> , "Plant Antibodies for Immunotherapy," <i>Plant Physiology</i> vol. 109: pp. 341-346 (1995).
	Malmqvist, "BIACORE: An Affinity Biosensor System for Characterization of Biomolecular Interactions," <i>Biochemical Society Transactions</i> vol. 27 no. 2: pp. 335-340 (1999).
	Margolin <i>et al.</i> , "Kruppel-Associated Boxes are Potent Transcriptional Repression Domains," <i>Proc. Natl. Acad. Sci. USA</i> vol. 91: pp. 4509-4513 (1994).
	Marras <i>et al.</i> , "Multiplex Detection of Single-Nucleotide Variations Using Molecular Beacons," <i>Genetic Analysis: Biomolecular Engineering</i> vol. 14: pp. 151-156 (1999).
	McGuffie <i>et al.</i> , "Antigene and Antiproliferative Effects of a c-myc-Targeting Phosphorathioate Triple Helix-Forming Oligonucleotide in Human Leukemia Cells," <i>Cancer Research</i> vol. 60 no. 14: pp. 3790-3799 (2000).
	Mendelsohn <i>et al.</i> , "Applications of Interaction Traps/Two-Hybrid Systems to Biotechnology Research," <i>Current Opinion in Biotechnology</i> vol. 5: pp. 482-486 (1994).
	Merchant <i>et al.</i> , "Recent Advancements in Surface-Enhanced Laser Desorption/Ionization-Time of Flight-Mass Spectrometry," <i>Electrophoresis</i> vol. 21: pp. 1164-1177 (2000).
	Merk <i>et al.</i> , "Cell-Free Expression of Two Single-Chain Monoclonal Antibodies Against Lysozyme: Effect of Domain Arrangement on the Expression," <i>J. Biochem.</i> vol. 125 no. 2: pp. 328-33 (1999).
	Miller <i>et al.</i> , "Repetitive Zinc-Binding Domains in the Protein Transcription Factor IIIA from <i>Xenopus</i> Oocytes," <i>EMBO Journal</i> vol. 4: pp. 1609-1614 (1985).
	Mironov <i>et al.</i> , "Frequent Alternative Splicing of Human Genes," <i>Genome Research</i> vol. 9: pp. 1288-1293 (1999).
	Misra <i>et al.</i> , "Polyamide Nucleic Acid-DNA Chimera Lacking the Phosphate Backbone Are Novel Primers for Polymerase Reaction Catalyzed by DNA Polymerases," <i>Biochemistry</i> vol. 37: pp. 1917-1925 (1998).
	Miyawaki <i>et al.</i> , "Fluorescent Indicators for CA2+ Based on Green Fluorescent Proteins and Calmodulin," <i>Nature</i> vol. 388: pp. 882-887 (1997).

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.

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	APPLICANT Shann n et al.	
	FILING DATE August 2, 2001	GROUP 1632

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	
	Moosmann <i>et al.</i> , "Transcriptional Repression by RING Finger Protein TIF1 Beta that Interacts with the KRAB Repressor Domain of KOX1," <i>Nucleic Acids Research</i> vol. 24: pp. 4849-4867 (1996).
	Morrison <i>et al.</i> , "Chimeric Human Antibody Molecules: Mouse Antigen-Binding Domains with Human constant Region Domains," <i>Proc. Natl. Acad. Sci. USA</i> vol. 81: pp. 6851-6855 (1984).
	Nesbit <i>et al.</i> , "Production of a Functional Monoclonal Antibody Recognizing Human Colorectal Carcinoma Cells from a Baculovirus Expression System," <i>Journal of Immunological Methods</i> vol. 151: pp. 201-208 (1992).
	Nielsen, "Peptide Nucleic Acids as Therapeutic Agents," <i>Current Opinion in Structural Biology</i> vol. 9: pp. 353-357 (1999).
	Nielsen, "Applications of Peptide Nucleic Acids," <i>Current Opinion in Biotechnology</i> vol. 10: pp. 71-75 (1999).
	Nielsen <i>et al.</i> , "Peptide Nucleic Acids: On the Road to New Gene Therapeutic Drugs," <i>Pharmacology & Toxicology</i> vol. 86: pp. 3-7 (2000).
	Nilsson <i>et al.</i> , "Padlock Probes: Circularizing Oligonucleotides for Localized DNA Detection," <i>Science</i> vol. 265 no. 5181: pp. 2085-2088 (1994).
	Ormö <i>et al.</i> , "Crystal Structure of the <i>Aequorea Victoria</i> Green Fluorescent Protein," <i>Science</i> vol. 273: pp. 1392-1395 (1996).
	Palm <i>et al.</i> , "Spectral Variants of Green Fluorescent Protein," in <i>Green Fluorescent Proteins</i> , Conn (ed.), <i>Methods in Enzymology</i> vol. 302: pp. 378-394 (1999).
	Pengue <i>et al.</i> , "Repression of Transcriptional Activity at a Distance by the Evolutionarily Conserved KRAB Domain Present in a Subfamily of Zinc Finger Proteins," <i>Nucleic Acids Research</i> vol. 22: pp. 2908-2914 (1994).
	Penn <i>et al.</i> , "Mining the Human Genome Using Microarrays of Open Reading Frames," <i>Nature Genetics</i> vol. 26: pp. 315-318 (2000).
	Pennell <i>et al.</i> , "In Vitro Production of Recombinant Antibody Fragments in <i>Picis Pastoris</i> ," <i>Research in Immunology</i> vol. 149 no. 6: pp. 599-603 (1998).
	Phylactou, "Ribozyme and Peptide-Nucleic Acid-Based Gene Therapy," <i>Advanced Drug Delivery Reviews</i> vol. 44 nos. 2-3: pp. 97-108 (2000).
	Phylactou <i>et al.</i> , "Ribozymes as Therapeutic Tools for Genetic Disease," <i>Human Molecular Genetics</i> vol. 7 no. 10: pp. 1649-1653 (1998).
	Pierce <i>et al.</i> , "A Positive Selection Vector for Cloning High Molecular Weight DNA by the Bacteriophage P1 System: Improved Cloning Efficiency," <i>Proc. Natl. Acad. Sci. USA</i> vol. 89 no. 6: pp. 2056-2060 (1992).
	Pöllock <i>et al.</i> , "Transgenic Milk as a Method for the Production of Recombinant Antibodies," <i>Journal of Immunological Methods</i> vol. 231: pp. 147-157 (1999).

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.

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	FILING DATE August 2, 2001	GROUP 1632

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	
	Posnett <i>et al.</i> , "A Novel Method for Producing Anti-Peptide Antibodies," <i>Journal of Biological Chemistry</i> vol. 263: pp. 1719-1725 (1988).
	Praseuth <i>et al.</i> , "Triple Helix Formation and the Antigene Strategy for Sequence-Specific Control of Gene Expression," <i>Biochimica et Biophysica Acta</i> 1489: pp. 181-206 (1999).
	Rader <i>et al.</i> , "Phase Display of Combinatorial Antibody Libraries," <i>Current Opinion in Biotechnology</i> vol. 8: pp. 503-508 (1997).
	Ray <i>et al.</i> , "Peptide Nucleic Acid (PNA): Its Medical and Biotechnical Applications and Promise for the Future," <i>FASEB Journal</i> vol. 14 no. 9: pp. 1041-1060 (2000).
	Riechmann <i>et al.</i> , "Reshaping Human Antibodies for Therapy," <i>Nature</i> vol. 332: pp. 323-327 (24 March 1988).
	Rosenberg <i>et al.</i> , "Structural Homology of the Product of the <i>Drosophila Kruppel</i> Gene with <i>Xenopus</i> Transcription Factor IIIA," <i>Nature</i> vol. 319: pp. 336-339 (1986).
	Rossi, "Therapeutic Applications of Catalytic Antisense RNAs (Ribozymes)," <i>Ciba Found. Symp.</i> vol. 209: pp. 195-204 (1997).
	Russell, D.A., "Feasibility of Antibody Production in Plants for Human Therapeutic Use," <i>Current Topics in Microbiology & Immunology</i> vol. 240: pp. 119-38 (1999).
	Ryabova <i>et al.</i> , "Functional Antibody Production Using Cell-Free Translation: Effects of Protein Disulfide Isomerase and Chaperones," <i>Nature Biotechnology</i> vol. 15: pp. 79-84 (1997).
	Schiestl <i>et al.</i> , "High Efficiency Transformation of Intact Yeast Cells Using Single Stranded Nucleic Acids as a Carrier," <i>Current Genetics</i> vol. 16 nos. 5 & 6: pp. 339-346 (1989).
	Schoner <i>et al.</i> , "Translation of a Synthetic Two-Cistron mRNA in <i>Escherichia coli</i> ," <i>Proc. Natl. Acad. Sci. USA</i> vol. 83: pp. 8506-8510 (1986).
	Schuh <i>et al.</i> , "A Conserved Family of Nuclear Proteins Containing Structural Elements of the Finger Protein Encoded by <i>Kruppel</i> , a <i>Drosophila</i> Segmentation Gene," <i>Cell</i> vol. 47: pp. 1025-1032 (1986).
	Schweitzer <i>et al.</i> , "Combining Nucleic Acid Amplification and Detection," <i>Current Opinion in Biotechnology</i> vol. 12 no. 1: pp. 21-27 (2001).
	Scott <i>et al.</i> , "Cellular Camouflage: Fooling the Immune System with Polymers," <i>Current Pharmaceutical Design</i> vol. 4: pp. 423-438 (1998).
	Shaknovich <i>et al.</i> , "The Promyelocytic Leukemia Zinc Finger Protein Affects Myeloid Cell Growth, Differentiation, and Apoptosis," <i>Mol. Cell. Biol.</i> vol. 18: pp. 5533-5545 (1998).
	Sharon <i>et al.</i> , "Expression of a <i>VHCK</i> Chimaeric Protein in Mouse Myeloma Cells," <i>Nature</i> vol. 309: pp. 364-367 (1984).
	Shinnick <i>et al.</i> , "Synthetic Peptide Immunogens as Vaccines," <i>Annual Review of Microbiology</i> vol. 37: pp. 425-446 (1983).

EXAMINER

DATE CONSIDERED

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	
	Shizuya <i>et al.</i> , "The Development and Applications of the Bacterial Artificial Chromosome Cloning System," <i>Keio J. Med.</i> vol. 50 no. 1: pp. 26-30 (2000).
	Shizuya <i>et al.</i> , "Cloning and Stable Maintenance of 300-Kilobase-Pair Fragments of Human DNA in <i>Escherichia Coli</i> Using and F-Factor Based Vector," <i>Proc. Natl. Acad. Sci. USA</i> vol. 89 no. 18: pp. 8794-8797 (1992).
	Shusta <i>et al.</i> , "Increasing the Secretory Capacity of <i>Saccharomyces Cerevisiae</i> for Production of Single-Chain Antibody Fragments," <i>Nature Biotechnology</i> vol. 16: pp. 773-777 (August 1998).
	Sidhu, Sachdev S., "Phage Display in Pharmaceutical Biotechnology," <i>Current Opinion in Biotechnology</i> vol. 11: pp. 610-616 (2000).
	Sigurdsson <i>et al.</i> , "Structure-Function Relationships of Hammerhead Ribozymes: from Understanding to Applications," <i>Trends in Biotechnology</i> vol. 13 no. 8: pp. 286-289 (1995).
	Sokol <i>et al.</i> , "Real Time Detection of DNA-RNA Hybridization in Living Cells," <i>Proc. Natl. Acad. Sci. USA</i> vol. 95: pp. 11538-11543 (1998).
	Sternberg, "Bacteriophage P1 Cloning System for the Isolation, Amplification, and Recovery of DNA Fragments as Large as 100 Kilobase Pairs," <i>Proc. Natl. Acad. Sci. USA</i> vol. 87 no. 1: pp. 103-107 (1990).
	Sternberg <i>et al.</i> , "Generation of a 50,000-Member Human DNA Library with an Average DNA Insert Size of 75-100 kbp in a Bacteriophage P1 Cloning Vector," <i>New Biology</i> vol. 2 no. 2: pp. 151-162 (1990).
	Sutcliffe <i>et al.</i> , "Antibodies that React with Predetermined Sites on Proteins," <i>Science</i> vol. 219: pp. 660-666 (1983).
	Suzuki <i>et al.</i> , "Stereochemical Basis of DNA Recognition by Zn Fingers," <i>Nucleic Acids Research</i> vol. 22: pp. 3397-3405 (1994).
	Swiatek <i>et al.</i> , "Perinatal Lethality and Defects in Hindbrain Development in Mice Homozygous for a Targeted Mutation of the zinc Finger Gene <i>Krox20</i> ," <i>Genes & Development</i> vol. 7: pp. 2071-2084 (1993).
	Takahashi <i>et al.</i> , "Production of Humanized Fab Fragment Against Human High Affinity IgE Receptor in <i>Pichia Pastoris</i> ," <i>Biosci. Biotechnol. Biochem.</i> vol. 64 no. 10: pp. 2138-2144 (2000).
	Takeda <i>et al.</i> , "Construction of Chimaeric Processed Immunoglobulin Genes Containing Mouse Variable and Human constant Region Sequences," <i>Nature</i> vol. 314: pp. 452-454 (April 1985).
	Tam <i>et al.</i> , "Synthetic Peptide Vaccine Design: Synthesis and Properties of a High-Density Multiple Antigenic Peptide System," <i>Proc. Natl. Acad. Sci. USA</i> vol. 85: pp. 5409-5413 (1988).
	Tatiana <i>et al.</i> , "Blast 2 Sequences - A New Tool for Comparing Protein and Nucleotide Sequences," <i>FEMS Microbiology Letters</i> vol. 174: pp. 247-250 (1999).
	Thorpe <i>et al.</i> , "Bioluminescence and Chemiluminescence," <i>Methods in Enzymology</i> vol. 133: pp. 331-353 (1986).

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DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	
	Topcu <i>et al.</i> , "The Yeast Two-Hybrid System and Its Pharmaceutical Significance," <i>Pharmaceutical Research</i> vol. 17 no. 9: pp. 1049-1055 (2000).
	Tyagi <i>et al.</i> , "Multicolor Molecular Beacons for Allele Discrimination," <i>Nature Biotechnology</i> vol. 16: pp. 49-53 (1998).
	Tyagi <i>et al.</i> , "Molecular Beacons: Probes that Fluoresce upon Hybridization," <i>Nature Biotechnology</i> vol. 14: pp. 303-308 (1996).
	Van Belkum <i>et al.</i> , "Non-Isotopic Labeling of DNA by Newly Developed Hapten-Containing Platinum Compounds," <i>BioTechniques</i> vol. 16: pp. 148-153 (1994).
	Verma <i>et al.</i> , "Antibody Engineering: Comparison of Bacterial, Yeast, Insect and Mammalian Expression Systems," <i>Journal of Immunological Methods</i> vol. 216: pp. 165-81 (1998).
	Wang <i>et al.</i> , "Expanding the Genetic Code of <i>Escherichia Coli</i> ," <i>Science</i> vol. 292 no. 5516: pp. 498-500 (2001).
	Weiss <i>et al.</i> , "Rapid Mapping of Protein Functional Epitopes by Combinatorial Alanine Scanning," <i>Proc. Natl. Acad. Sci. USA</i> vol. 97: pp. 8950-8954 (2000).
	Williams <i>et al.</i> , "The Zinc Finger-Associated SCAN Box is a Conserved Oligomerization Domain," <i>Molecular and Cell Biology</i> vol. 19: pp. 8526-8535 (1999).
	Winter <i>et al.</i> , "Making Antibodies by Phage Display Technology," <i>Annual Review of Immunology</i> : pp. 433-455 (1994).
	Witzgall <i>et al.</i> , "The Kruppel-Associated Box-A (KRAB-A) Domain of Zinc Finger Proteins Mediates Transcriptional Repression," <i>Proc. Natl. Acad. Sci. USA</i> vol. 91: pp. 4514-4518 (1994).
	Xiao <i>et al.</i> , "FGRR1 is Fused with a Novel Zinc-Finger Gene, ZNF198, in the t(8;13) Leukaemia/Lymphoma Syndrome," <i>Nature Genetics</i> vol. 18: pp. 84-87 (1998).
	Yang <i>et al.</i> , "In Vivo and In Vitro Gene Transfer to Mammalian Somatic Cells by Particle Bombardment," <i>Proc. Natl. Acad. Sci. USA</i> vol. 87 no. 24: pp. 9568-9572 (1990).
	Yokoyama <i>et al.</i> , "Isolation of a cDNA Encoding a Widely Expressed Novel Zinc Finger Protein with the LeR and KRAB-A Domains," <i>Bochimica et Boophysica Acta</i> 1353: pp. 13-17 (1997).

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.

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